

Claims

1. A poly-coated paper ream wrapper comprising:

a sheet of brown, white or other kraft paper with a basis weight of approximately 40 to 70 lbs. per 3,000 sq.ft.;

a first layer of approximately 4-14 lbs. of polyethylene, low or high density polyethylene, or other polymer or poly resin;

a second layer of varnish or other coating material applied in specific zones along the length of the inside web of said ream wrapper.
2. The poly-coated paper ream wrapper of Claim 1 wherein said second layer of varnish or other coating material is applied in zones approximately $\frac{1}{2}$ to $1\frac{1}{2}$ inches from both outside edges of the inside web of said ream wrap and along the length of said web or in zones along the length of said web.
3. The poly-coated paper ream wrapper of Claim 1 wherein said second layer of varnish or other coating material is applied in a zone that is approximately 1 to 10 inches in width.
4. The poly-coated paper ream wrapper of Claim 1 wherein the first layer of polyethylene, low or high density polyethylene, or other polymer or poly resin is extruded onto said paper substrate.

5. The poly-coated paper ream wrapper of Claim 1 wherein said first layer of polyethylene, low or high density polyethylene, or other polymer or poly resin is subjected to heat during a wrapping process which forms a heat seal along an overlapped back panel of said ream wrap packaging.

6. The poly-coated paper ream wrapper of Claim 1 wherein said second layer of varnish or other coated material is applied during a printing, press, or other process involved in production of said ream wrapper and following poly extrusion or coating process.

7. The poly-coated paper ream wrapper of Claim 2 wherein said second layer of varnish or other coating material is applied adjacent to the $\frac{1}{2}$ to $1\frac{1}{2}$ inch outer edges of the inside web of said ream wrapper that are intended to overlap and form a heat-sealed back panel.

8. The poly-coated ream wrapper of Claim 1 wherein the zone-coated areas of varnish or other coating material prevent heat-sealing of the back panel of said ream wrap to an inside sheet(s) of paper encased in said ream.

9. A method of making a poly-coated paper ream wrapper comprising:

extruding or coating a 40-70 lb. base paper substrate with 4-14 lbs. of polyethylene, low or high density polyethylene, or other polymer or poly resin across inside web of said ream wrapper;

applying a layer of varnish or other coating material along the full length or in specific zones along the length of said inside web of said ream wrapper.

10. A zone-coated poly-coated ream wrapper comprising:

paper extruded with polyethylene, low or high density polyethylene, or other polymer or poly resin; and

a second layer of varnish or other coating material applied in zones adjacent to an overlapped back panel area of said wrapper where a heat seal is intended to form.

11. The wrapper of claim 10 wherein said zone is approximately one to ten inches in width.

12. The wrapper of claim 10 wherein said wrapper does not stick to paper touching said back panel of said wrapper.

13. A method for producing a ream wrap comprising:

covering one side of a paper with a layer of polymer resin;

placing in specific zones on top of said layer of polymer resin a layer of varnish or coating material which prevents said polymer resin coated wrapper from sticking to paper touching a back panel of said wrapper.

14. The method of claim 13 further comprising:

heating or curing said wrapper;

melting said poly to become tacky;

sealing folded areas of said wrapper along overlapped back panels across girth of said wrapper.